



News Bulletin

The Institution of Engineers (India)

Meerut Local Centre

"101 Years of Relentless Journey Towards Engineering Advancement for nation Building"

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Technical Activities of Centre

1. Statutory Activities :

(a) World Engineering Day for Sustainable Development Date 04-03-2023

World Engineering Day for Sustainable Development was celebrated by organizing a webinar on Google Meet. Er. Rajneesh Kumar, Immediate Past Chairman presided over the meeting and welcomed the guests and members of IEI. Prof. (Dr.) K.L.A. Khan, Dean IEC and Professor, Mechanical Engineering KIET, Ghaziabad was the speaker. Dr. Khan said that Engineering innovation has played a significant role in shaping the modern world by introducing new technologies and products that have transformed various industries, including healthcare, transportation, communication, energy, and manufacturing. Examples of engineering innovations include the internet, smartphones, renewable energy sources, self-driving cars. Innovation in Engineering is crucial in solving complex problems, improving productivity, enhancing safety, and advancing human progress. It requires a commitment to continuous learning, creativity, and a willingness to take Engineering innovation. Engineers can play a critical role in creating a more resilient world by addressing the challenges posed by natural disasters, climate change, and other environmental, social, and economic disruptions.

Er. Rajneesh Kumar was the convener of the programme. In the end Er. R.P. Agrawal, Hony. Secretary, IEI, Meerut Local Centre presented vote of thanks.

(b) World Water Day**Date 22-03-2023**

World Water Day was celebrated by organizing a webinar on Google Meet. Er. P.S. Singhal was the convener of the event. Er. S.K. Sharma, Chief Engineer, Er. L.K. Gupta, C in C UPID and Er. B.D. Sharma, Convener, Indian Water Resources Society Meerut Chapter were the speakers. At the outset Er. M.L. Jain, Chairman welcomed the guests and members of IEI. The speaker Er. S.K. Sharma, discussed the problem of polluted Ganga. He raised the question what happened to the virgin Ganga when it was carrying all weather heavy discharge healthy in all respect. He answered that gradual increased diversion of the Ganga water in upper Ganga canal mainly for irrigation left the river course down to Haridwar almost dry during non-Monsoon period i.e. 2/3rd span of the year. The problem is too big and alarming hence solution has to be visualized accordingly. The Monsoon flow needs to be stored upstream of Haridwar at feasible location in hilly track of river and release the storage during lean period. These releases should be uninterrupted down to storage structure up to Ganga sagar. The stored water shall flow into the course during lean period for improving eco-system of the river. Such storage dam proposed to be termed as Eco Dam.

Er. L.K. Gupta and Er. B.D. Sharma told that we can handle the water crisis by minimizing wastage of water and increasing resources. Resources can be increased by rain water harvesting in all new residential colonies and rejuvenation of extinct and encroached water bodies. Er. B.D. Sharma further suggested that wastage in agricultural sector which consumes major portion of water can be minimized by growing crops that do not need much water. So that underground water must not be depleted much. He also emphasized on water recycling in industry as well as for domestic purposes.

Er. P.S. Singhal was the convener of the programme. In the end Er. R.P. Agrawal, Hony. Secretary, IEI, Meerut Local Centre delivered vote of thanks.

(c) World Telecommunication Day**Date : 17-05-2023**

The event was celebrated in collaboration with BSNL, UP (West), Meerut in their conference hall. The programme started with the lighting of lamp and presentation of bouquets to guests.

At the outset, the chairman of Meerut Local Centre of IEI, Er. M.L. Jain welcomed the dignitaries and the participants which included Engineers of BSNL and Members of IEI. Er. Surya Kant, ITS, CGM, BSNL UP(W) Telecom Circle, Meerut was the Chief Guest and Er. Raj Deo, ITS, PGM (CFA), BSNL, UP(W) and Er. P.P. Shrivastava, IP&TBWS, Senior GM (HR/Admin), BSNL, UP(W), Meerut were the Guests of Honour.

There were three speakers, all of them engineers of BSNL-Er. Ashish Kumar, AGM (Mobile), Er. A.K. Bansal, ADT (IT) and Er. Archana Arora, SDE (CMTS). They gave their presentation on the theme for this year, "Empowering the Least Developed Countries

through Information and Communication Technologies”. The speakers elaborated the least developed countries (LDC) as low income countries confronting severe structural impediments to sustainable development. They are highly vulnerable to economic and environmental shocks and have low levels of human assets. Currently 46 countries have been listed as LDCs, which are mainly African countries numbering 33. The list includes 9 countries from Asia, one Caribbean and 3 Pacific countries. The speakers told that the information and communication technologies (ICTs) are crucial in reducing poverty, improving access to health and education services and creating new sources of income and employment for poor. They discussed in details the application of ICTs in improving human assets index as it has great impact on improvement of education, health, industrialization and environment resulting in economic growth, employment opportunities and overall prosperity.

The Chief Guest and Guests of Honour also shared their experiences about the digital transformation of society over the years. Mementos were presented to the guests and speakers. The Hon. Secretary, IEI Meerut Local Centre, Er. R.P. Agrawal presented vote of thanks. Er. Rajneesh Kumar was the convener of the programme.

The event was covered by the leading news papers of Meerut next morning with the news and photos of the celebration.

(d) World Environment Day

Date 05-06-2023

The event was organised online on google meet on 5th June, 2023. At the outset, the chairman of Meerut Local Centre of IEI, Er. M.L. Jain welcomed the speakers and the participants which included members of Meerut LCC and other corporate members.

There were two speakers, namely Dr. Abhijit Maiti, Associate Professor, Department of Polymer and Process Engineering and Dr. Kirtiraj K. Gaikwad, Assistant professor Department of Paper Technology, both from IIT Roorkee.. The theme of the day was ‘Solutions to Plastic Pollution’

Dr. Maiti discussed the issue in detail and suggested recycling, down-recycling and landfill of plastic waste. By down-recycling he meant change the waste into new products. He also suggested that we should go back to paper. The conclusions were as under

- Recyclable plastics should be recycled after proper collection through deposit method collection as already practiced in Germany, Canada, USA. Etc.\
- Non-recyclable plastic should be less produced and landfill.
- More research work should be conducted to make available technology with energy-environmental footprint and cost effective.

- Bio-degradable plastic production from algae or other green sources need to be increased with better physical properties.
- Use alternative product of paper, hand-made multiple used alternatives.
- Strict rule and monitoring body need to be established in local level with no corruption approach to tackle present at level.

Dr. Gaikwad discussed government of India's plastic waste management policy rules and their time line. He mentioned that carry bag made of virgin or recycled plastic shall not be less than 75 microns in thickness till 31st December, 2022 and after that 120 micron. Sachets using plastic material shall not be used for storing packaging or selling, guthka, tobacco, pan masala. Recycling of plastic waste shall be only as per the IS14534:1998-rule (b). He told that every local body shall be responsible for development and setting up of infrastructure for segregation, collection, storage, transportation, processing and disposal of the plastic waste either on its own or by engaging agencies or producers. He told that there is penalty on use (and littering) of banned single-use plastic items. Spot fine on waste generators is Rs. 5000/- and that on institutional waste generators is Rs. 5000/-. Local bodies can impose fine on retailer, seller and user of single-use plastic. He suggested plant based packaging material as alternative for single-use plastics.

The Hon'y. Secretary, IEI Meerut Local Centre, Er. R.P. Agrawal presented vote of thanks.

2. Lecture Meeting

(a) By M.K. Sharma on 19-02-2023

A lecture meeting was organized on “**Maintenance Practices**” on 19th February, 2023. Dr. M.K. Sharma, Retd. Professor and Head Deptt. of Mechanical Engineering, IIT, ISM, Dhanbad was the speaker. The session was started with a welcome note from Er. M.L. Jain, Chairman Meerut Local Centre. Dr. Sharma told that engineering can be divided into four categories viz Development Engineering, Design Engineering, Manufacturing Engineering and Maintenance Engineering. Maintenance can be defined as those activities required to keep a facility in as-built condition so that it continues to have its original production capacity. The objectives of maintenance are (i) reduce down-times, (ii) reduce maintenance cost, (iii) provide the desired service to operating department at optimum level, keeping in mind economic factor. Types of maintenance are- (a) unplanned maintenance i.e., emergency or breakdown maintenance (b) planned maintenance consisting of Routine or Scheduled maintenance, Planned maintenance, Corrective

maintenance, Unit change out maintenance, Design out maintenance DOM, Contract maintenance Total productive maintenance (TPM), Preventive maintenance, Predictive maintenance or (CBM).

Other planned maintenance system options are- Reliability centered maintenance (RCM), Computer managed maintenance, Shutdown maintenance, Running maintenance, Opportunistic maintenance and Quality maintenance. The above methods/options can be utilized in the best interest of organization to result in highest level of reliability and availability, since it will also improve maintainability.

In the end, Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

(a) By Alok Agrawal on 09-04-2023

A lecture meeting was organized on “Why we cannot do it” on 09th April, 2023 in physical mode at Local Centre Office. The session was started with a welcome note from Er. M.L. Jain, Chairman Meerut Local Centre. Er. Alok Agrawal, B.Tech, M.Tech (Civil Engg.) Retd. Executive Engineer, UP Irrigation was the speaker.

The topic of the day “Why we cannot do it” was not about engineering innovations or current research but an attempt to relate engineering expertise to society which affects the common person on daily basis. By giving attention to engineering application to mundane works will invite appreciation for Engineers, users’ safety, economy and good governance. Er. Alok Agrawal raised various issues of common interest such as electric lines with tilted poles on road side, uncovered man-holes on roads, wrong heat expansion joints in bridges/flyovers resulting in jerks while travelling by a vehicle etc. He further added that Retired Engineers are a valuable resource by virtue of knowledge, experience, time, freedom from professional worries and can be a force to bring and impact changes with young engineers in departments and institutions and bodies like IEI. They can act like a catalyst for such work.

In the end, Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

3. Other Activities

(a) Republic Day was celebrated on 26-01-2023 at IEI Office A-12 Surya Nagar, Saket Meerut.

(b) Website of Meerut Local Centre has started functioning since June, 2023. One can login <https://ieimeerut.org.in>

Election Information

(A) Minutes of First Meeting of Board of Scrutineers on 15-06-2023 at A-12, Suryanagar, 1st Floor, Behind LIC Saket, Meerut.

The Local Centre Committee of Meerut in its meeting held on 11-06-2023 constituted the panel of following Corporate Members to form Board of Scrutineers.

1. Er. Prem Swaroop Singhal, Membership No. F-018109-5
Mobile : 9411 618001, e- mail ID : singhalps45@gmail.com
2. Er. Dhan Pal Jain, Membership No. F- 119503-0
Mobile : 9897064855, e- mail ID : dhanpaljain2012@gmail.com
3. Er. Brahm Dutt Sharma, Membership No. M-133701-1
Mobile : 09412405644, e-mail ID : bdsharma1945@gmail.com
4. Er. Ashok Kumar Saxena, Membership No. M-062201-4
Mobile : 9412104005, e-mail ID : saxena23081950@gmail.com
5. Er. Bal Krishan Goyal, Membership No. AM-072393-5
Mobile: 9837992127, e-mail ID : bkg1945@gmail.com

The Hon. Secretary of the Meerut Centre convened the meeting of the Board of Scrutineers on 15-06-2023 in the office of the Centre at 11.00 AM. The following were present in this meeting.

1. Er. Prem Swaroop Singhal
2. Er. Dhan Pal Jain
3. Er. Bal Krishan Goyal
4. Er. Brahm Dutt Sharma
5. Er. Ashok Kumar Saxena

The Hon. Secretary handed over copies of email letter No. SDG/CA/Meerut Local Centre dated 25-05-2023 and all its enclosures including regulations having direct relevance with the elections, revised procedure for conducting elections and formats received from the headquarter to all the Members of Board of Scrutineers. This information will help them to conduct the elections as per regulations on the subject.

The Members of BOS studied the circular received from SDG Kolkata as well as the Regulations. Thereafter BOS took following decisions.

(i). **Er. Brahm Dutt Sharma was unanimously elected Convener of BOS.**

(ii). The following election schedule was drawn –

- (a) Notification inviting self-nominations along with biodata and non-refundable Earnest money of the requisite amount from eligible Corporate Members - 01-08-2023
- (b) Last date of receipt of nominations along with enclosures
[not earlier than 15 days from (a)] - 01-09-2023
- (c) Scrutiny of Nominations and intimation (by e-mail) to nominees
For withdrawal - 02-09-2023
- (d). Last date of withdrawal by nominees - 20-09-2023
- (e) Finalization of the list of contestants - 25-09-2023

- | | |
|---|--------------|
| (f) Commencement of the e-voting | - 01-10-2023 |
| (g) Closing of the e-voting [14 days from (f)] | - 14-10-2023 |
| (h) Counting and publishing of result [the next day to (g)] | - 15-10-2023 |
| (i) Annual General meeting | - 29-10-2023 |

(iii) The next Meeting of BOS will be held on 02-09-2023 for Scrutiny of Nominations.

(iv). Hony. Secretary of the Centre was requested to ensure that the News Bulletin of the centre which carries the information for notification of election is dispatched to the Corporate Members latest by 20-07-2023. The formats as given in letter No. SDG/CA /Meerut Local Centre dated 25-05-2023 will be included in the News Bulletin.

Sd/-

Brahm Dutt
Sharma
Convener
Board of Scrutineers
Meerut Local
Centre

(B) Notice For Election From Divisions To The Committee of The Meerut Local Centre

For the Sessions 2023-2024 & 2024-2025

**To
All Corporate Members**

Attached to Meerut Local Centre

The members of the Committee of Meerut Local Centre of The Institution of Engineers (India) shall retire at the ensuing Annual General Meeting of Meerut Local Centre. It is, therefore, necessary to hold election to fill up the vacancies caused thereby for the sessions 2023-24 & 2024-25 in each Division as follows:

Aerospace Engg Division	AS	: 1	Elect. & Telecom Engg. Division	ET	: 2
Agricultural Engg Division	AG	: 1	Environmental Engg Division	EN	: 1
Architectural Engg Division	AR	: 1	Marine Engg Division	MR	: 1
Chemical Engg Division	CH	: 1	Mechanical Engg Division	MC	: 2
Civil Engg Division	CV	: 3	Metallurgical & Materials Engg Division	MM	: 1
Computer Engg Division	CP	: 1	Mining Engg Division	MN	: 0
Electrical Engg Division	EL	: 2	Production Engg Division	PR	: 1

Members retiring from the Committee after completion of three full tenure at a stretch shall not be eligible for re-election. However, they shall be eligible for re-election after a break of one term.

Interested Corporate Members are hereby called upon to submit the hard copy of their self-nominations as per the format given herewith alongwith biodata, self-attested photocopy of Identity proof and non-refundable earnest money of ₹ 3000/- (**Rupees Three Thousand**) by way of Demand Draft to the Convener, Board of Scrutineers so as to reach him by post not later than 16:00 Hrs (time) on 01-09-2023 (date) at the following address:

The Institution of Engineers (India)
Meerut Local Centre
A-12 Surya Nagar Behind LIC
Saket Meerut-250001

The acceptable proof of Identity of the candidate shall be his PAN card or Driving License or Photo ID Card issued by State/Central Government bearing his signature or Photo ID Card of The Institution bearing his signature or first page of his passport duly self attested.

A member attached to a Division shall be eligible to submit self-nomination for election only in that Division. The earnest money is acceptable only by **Demand Draft in favour of "The Institution of Engineers (India)", payable at Kolkata**. The Demand Draft must be submitted along with the nomination papers.

Sd/-

Brahm Dutt Sharma

Convener

Board of Scrutineers for Election to the Committee of

Meerut Local Centre for the Sessions 2023-24 & 2024-25

Date:

[Format of Nomination]

To
The Convener
Board of Scrutineers
The Institution of Engineers (India)
Meerut Local Centre

Dear Sir,

Sub: **Election to the Committee of Meerut Local Centre
for the Sessions 2023-24 & 2024-25**

I, attached toEngineering Division hereby
nominate myself from the same Division for the subject election.

I attach herewith my updated biodata, ₹ 3000/- (**Rupees Three Thousand**) as the non-refundable earnest money by way of **Demand Draft** (Six digit DD No.. dated) and self-attested photocopy of my PAN Card / Driving License or Photo ID Card issued by State / Central Government bearing my signature or Photo ID Card of The Institution bearing my signature / first page of my passport as proof of my identity.

Thanking you,

Yours faithfully,

Signature : _____

Name : _____

Membership No. : _____

Division : _____

Date : _____

* I do hereby agree to serve the Committee, if elected. I declare that there are no proceedings by the Council or the Ethics Control Board against me.

OR

* I do hereby agree to serve the Committee, if elected. I declare that there are proceedings by the Council and/or the Ethics Control Board pending against me, the details of which are as attached.

Signature : _____

Name : _____

Membership No. _____

*** Strike out whichever is not applicable**

N.B. No payment by Cheque/ NEFT/ RTGS or any other online means shall be acceptable.